Project Title	Funding	Institution
A novel cell-based assay for autism research and drug discovery	$0	University of Arizona
The role of SHANK3 in the etiology of autism spectrum disorder	$0	Johns Hopkins University
Mice lacking Shank postsynaptic scaffolds as an animal model of autism	$0	Massachusetts Institute of Technology
Neural and cognitive mechanisms of autism	$0	Massachusetts Institute of Technology
Investigation of the role of MET kinase in autism	$0	Johns Hopkins University School of Medicine
Role of UBE3A in neocortical plasticity and function	$0	University of North Carolina at Chapel Hill
16p11.2 deletion mice: Autism-relevant phenotypes and treatment discovery	$0	Stanford University
Modeling and pharmacologic treatment of autism spectrum disorders in Drosophila	$0	Albert Einstein College of Medicine of Yeshiva University
Novel approaches to enhance social cognition by stimulating central oxytocin release	$0	Emory University
Animal models of autism: Pathogenesis and treatment	$0	University of Texas Southwestern Medical Center
Interaction between MEF2 and MECP2 in the pathogenesis of autism spectrum disorders -2	$0	Burnham Institute
Interaction between MEF2 and MECP2 in the pathogenesis of autism spectrum disorders - 1	$0	Burnham Institute
Development of a high-content neuronal assay to screen therapeutics for the treatment of cognitive dysfunction in autism spectrum disorders	$0	Massachusetts Institute of Technology
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	$0	University of North Carolina at Chapel Hill
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	$0	University of North Carolina at Chapel Hill
Novel strategies to manipulate Ube3a expression for the treatment of autism and Angelman syndrome	$0	University of North Carolina at Chapel Hill
Novel probiotic therapies for autism	$0	California Institute of Technology
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	$0	University of North Carolina at Chapel Hill
Adverse prenatal environment and altered social and anxiety-related behaviors	$0	University of Pennsylvania
Impact of an autism associated mutation in DACT1 on brain development and behavior	$0	University of California, San Francisco
Identifying genetic modifiers of rett syndrome in the mouse	$0	Baylor College of Medicine
Identifying impairments in synaptic connectivity in mouse models of ASD	$0	University of Texas Southwestern Medical Center
Cellular and molecular pathways of cortical afferentation in autism spectrum disorders	$15,000	University of Geneva
Central vasopressin receptors and affiliation (supplement)	$25,000	Emory University
Shank3 mutant characterization in vivo	$28,000	University of Texas Southwestern Medical Center
Validating electrophysiological endophenotypes as tranlational biomarkers of autism	$28,049	University of Pennsylvania
Role of cadherin-8 in the assembly of prefrontal cortical circuits	$31,188	Mount Sinai School of Medicine
Effect of abnormal calcium influx on social behavior in autism	$31,250	University of California, San Francisco

Project Title	Funding	Institution
Deficits in tonic inhibition and the pathology of autism spectrum disorders	$31,250	Tufts University
Studying the neural development of patient-derived stem cells	$31,250	Johns Hopkins University School of Medicine
A mouse model for human chromosome 7q11.23 duplication syndrome	$49,452	University of Toronto
Characterization of autism susceptibility genes on chromosome 15q11-13	$51,326	Beth Israel Deaconess Medical Center
Vicarious neural activity, genetic differences and social fear learning	$51,326	Oregon Health & Science University
Role of RAS/RAF/ERK pathway in pathogenesis and treatment of autism	$51,640	New York State Institute for Basic Research in Developmental Disabilities
Developing a new model system to study mechanisms of attention control	$60,000	Stanford University
The role of glutamate receptor intereacting proteins in autism	$62,500	Johns Hopkins University School of Medicine
Perinatal choline supplementation as a treatment for autism	$62,500	Boston University
A probiotic therapy for autism	$62,500	California Institute of Technology
OCT blockade to restore sociability in 5-HT transporter knock-out mice	$74,250	University of Texas Health Science Center at San Antonio
Systematic analysis of neural circuitry in mouse models of autism	$74,991	Cold Spring Harbor Laboratory
Using Drosophila to model the synaptic function of the autism-linked NHE9	$75,000	Massachusetts Institute of Technology
Synaptic deficits of iPS cell-derived neurons from patients with autism	$86,446	Stanford University
Using iPS cells to study genetically defined forms with autism	$100,000	Stanford University
Integrated approach to the neurobiology of autism spectrum disorders	$116,672	Yale University
Vasopressin receptors and social attachment	$121,500	Emory University
Murine genetic models of autism	$142,791	Vanderbilt University
Functional study of synaptic scaffold protein SHANK3 and autism mouse model	$150,000	Duke University
The role of SHANK3 in autism spectrum disorders	$180,000	Mount Sinai School of Medicine
Using zebrafish and chemical screening to define function of autism genes	$199,999	Whitehead Institute for Biomedical Research
Synaptic and circuitry mechanisms of repetitive behaviors in autism	$200,000	Massachusetts Institute of Technology
Genomic imbalances at the 22q11 locus and predisposition to autism	$200,000	Columbia University
Genetic models of serotonin transporter regulation linked to mental disorders	$219,038	Medical University of South Carolina
Neuropharmacology of motivation and reinforcement in mouse models of autistic spectrum disorders	$228,965	University of North Carolina School of Medicine
Identification of autism genes that regulate synaptic NRX/NLG signaling complexes	$231,066	Stanford University
Serotonin, autism, and investigating cell types for CNS disorders	$249,000	Washington University in St. Louis
Neurobiology of mouse models for human chr 16p11.2 microdeletion and fragile X	$249,480	Massachusetts Institute of Technology
Animal model of speech sound processing in autism	$283,249	University of Texas at Dallas
Insight into MeCP2 function raises therapeutic possibilities for Rett syndrome	$291,260	University of California, San Francisco

Project Title	Funding	Institution
Investigating the effects of chromosome 22q11.2 deletions	$300,000	Columbia University
Serotonin, corpus callosum, and autism	$300,218	University of Mississippi Medical Center
Control of synaptic protein synthesis in the pathogenesis and therapy of autism	$301,087	Massachusetts General Hospital
Functional genomic dissection of language-related disorders	$320,076	University of Oxford
Novel genetic models of autism	$336,813	University of Texas Southwestern Medical Center
The genetic control of social behavior in the mouse	$342,540	University of Hawai'i at Manoa
Patient iPS cells with copy number variations to model neuropsychiatric disorders	$348,624	The Hospital for Sick Children
16p11.2: defining the gene(s) responsible	$350,000	Cold Spring Harbor Laboratory
Dissecting the circuitry basis of autistic-like behaviors in mice	$350,000	Massachusetts Institute of Technology
Small-molecule compounds for treating autism spectrum disorders	$350,000	University of North Carolina at Chapel Hill
Neurobiology of sociability in a mouse model system relevant to autism	$350,831	University of Pennsylvania
Central vasopressin receptors and affiliation	$360,225	Emory University
Role of UBE3A in neocortical plasticity and function	$367,500	Duke University
Exploring the neuronal phenotype of autism spectrum disorders using induced pluripotent stem cells	$368,475	Stanford University
Mechanisms of stress-enhanced aversive conditioning	$381,250	Northwestern University
Neuroligin function in vivo: Implications for autism and mental retardation	$388,575	University of Texas Southwestern Medical Center
Neurobiological signatures of social dysfunction and repetitive behavior	$389,854	Vanderbilt University
The genetic and neuroanatomical origin of social behavior	$391,250	Baylor College of Medicine
Cellular and genetic correlates of increased head size in autism spectrum disorder	$405,041	Yale University
Long-term effects of early-life antipsychotic drug treatment	$406,200	Northern Kentucky University
Autism iPSCs for studying function and dysfunction in human neural development	$481,461	Scripps Research Institute
Identifying therapeutic targets for autism using SHANK3-deficient mice	$483,773	Mount Sinai School of Medicine
Examination of the mGluR-mTOR pathway for the identification of potential therapeutic targets to treat fragile X	$542,684	University of Pennsylvania
Novel therapeutic targets to treat social behavior deficits in autism and related disorders	$560,625	University of Texas Health Science Center at San Antonio
Role of a novel Wnt pathway in autism spectrum disorders	$600,000	University of California, San Francisco
Dissecting the neural control of social attachment	$764,776	University of California, San Francisco
Using induced pluripotent stem cells to identify cellular phenotypes of autism	$792,000	Stanford University
Behavioral and physiological consequences of disrupted Met signaling	$800,000	University of Southern California
Studies of pediatrics patients with genetic and metabolic disorders	$1,546,115	National Institutes of Health

Project Title	Funding	Institution
Animal models of neuropsychiatric disorders	$1,776,673	National Institutes of Health
Regulation of gene expression in the brain	$2,003,514	National Institutes of Health